

webertec smart protect

TWO COMPONENT,
CERAMICS ADHESIVE
AND WATERPROOFING
COATING IN ONE
PRODUCT

webertec smart protect is a two-component adhesive for ceramics and hydro insulation coating (1.5 bar, 7 days) on one product.

Product benefits:

- Provides adhesion and waterproofing in one layer
- Saves time and money
- Flexible and strong

Product classification:

C2TE S2 (EN 12004:2007+A1:2012)

Area of application

Used for adhesion of all types of ceramics (ceramic tiles, Gres tiles, mosaic, stone and marble) as well as protection of buildings from impact of water and moisture. Product is flexible and satisfies class S2 (≥ 10 mm) of transversal deformation as per standard EN 12004. Suitable for installation as part of the floor heating system.

Recommended for indoor and outdoor works, for the following positions: bathrooms, kitchens, showers, tubs, pools, terraces and balconies, for horizontal and vertical surfaces.



Base preparation

The base on which the product is applied on must be clean, solid, dry, bearing and without parts falling off. All materials that reduce adhesion (paint residue, plaster, grease, dust, etc.) should be fully removed. Surface tensile strength of the surface measured by “pull off” test must be $> 1,0 \text{ N/mm}^2$.

Concrete surfaces (minimum 28 days old with moisture residue $\leq 2\%$), cement screed and plasters based on cement and lime (minimum 28 days old with moisture residue $\leq 1.5\%$), must be mechanically roughened and without dust residue. Optionally, in order to improve the quality of the surface, absorbent and old coatings should be covered with primer weberprim 813 in scale 1:3, and non-absorbent surfaces with primer weberprim 813, two hours before the start of works (temperature 20°C , relative humidity up to 65%).

Product use and installation

1. After the application of base coating, prior to application of waterproofing, it is necessary to protect all angles and penetrations additionally with waterproofing tapes, corners and collars (webertec max tape 120/ webertec tape/ webertec butyl tape 120/ webertec inside corner/webertec outside corner/webertec collar/webertec multy-size collar) in a manner described in technical sheets for these products.
2. The content of the 10 kg bag of the powder component should be added into 2.8 kg of liquid component with constant mixing with electric mixer until the mass becomes homogenous.
3. Wait for 5 minutes, and then mix again for a short period of time. Afterwards, the waterproofing is ready for application.
4. webertec smart protect can be used in three ways:

4.1 As waterproofing and adhesive for ceramics - 2 in 1: applied using weber smart protect trowel securing application of waterproofing and adhesion in one step. This way of work secures application of 2 mm of waterproofing and 3 mm of ceramics adhesive. If the tiles are installed with longer side of over 60 cm, it is necessary to cover the back of the tile. Contact surface on the back of the tile must be 100%. Period of time before the product is fully connected to the surface and tile is approximately 30 minutes. Mixed material must be used within 120 minutes. *

4.2 As waterproofing: applied with flat trowel in thickness of 2 mm. It is necessary to protect all corners and penetrations additionally with hydro insulation tapes, corners and collars (webertec max tape 120/webertec tape/webertec butyl tape 120/webertec inside corner/webertec outside corner/webertec collar/webertec multy-size collar) in a manner as described in technical sheets for mentioned products. Applied material should be protected from direct water impact for 24 hours.

4.3 As ceramics adhesive: applied with jagged trowel, thickness of the layer depends on type and format of tiles that are installed, with maximum thickness of 10 mm. If the tiles are installed with dimensions with longer side of over 60 cm, it is necessary to cover the back of the tile. Contact surface on the back of the tile must be 100%. Period of time before the product is fully connected to the surface and tile (open work time) is approximately 30 minutes. Mixed material must be used within 120 minutes. *

5. Drying time is 24 hours.*

* All stated parameters refer to standard weather conditions: temperature 20°C , relative humidity up to 65%. If the weather conditions are not in line with standard, it is necessary to adjust the procedure to said circumstances, and consider the product is faster to bond at warmer. weather, that is, slower in the cold, making sure the

temperature of the surface and air is within range of 5°C to 30°C.

The manufacturer recommends application on small, test surfaces to make sure the product/surfaces are properly prepared and whether appropriate conditions for use and installation are provided. If not, please stop the work and contact the Saint-Gobain građevinski proizvodi d.o.o Beograd representative. The company shall not be responsible for incorrect execution of works with the stated material as well as use of material for the purpose not stated in product description. Complaints submitted after the completion of execution of works shall not be accepted.

Tools

For mixing: electric mixer.

For application: jagged webertec smart protect trowel.

Product consumption

Approximately 4,25 kg/m² for adhesion and waterproofing depending on type and features of the surface.

Keeping, storage and transport

Product must be stored in original, undamaged packaging, in dry and closed space, protected from elements.

The product is not hazardous for transport in the sense of all national and international transport regulations. During transport, the product must be protected from the elements. Transport and store the product at temperature from +5°C to +30°C.

Product safety

Component A:

Product not classified as hazardous. Contains reaction mixture 5-chlorine- 2-metyl-4-isothiazoline-3-on and 2-metyl-2H-isothiazole-3-on (3:1). May cause allergic reactions.

Component B:

Hazardous compound ingredients: Portland cement, gray, 20-50%.



Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Wear protective gloves, protective clothing and eye protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or a doctor. Dispose of contents and container in accordance with RS regulation. Content of soluble chrome Cr (VI) in the product is less than 0.0002% calculated at total dry weight of the cement.

Technical characteristics of the product

Product color: dark gray.

Pot life: Period of time before the product is fully connected to the surface and tile is approximately 30 minutes. Mixed material must be used within 120 minutes. *

Package: bag 10 kg + canister 2.8 kg, pallet 307.2 kg

Expiration date: 12 months from the production date pressed on the packaging.

Detailed information on product, additional documentation and safety/safety data sheet are available on the official webpage www.rs.weber.

Cleaning

Residue of fresh product can be cleaned from the tools and surfaces with water. Dry product can be removed mechanically.

Product limitations

webertec smart protect cannot be used in the following situations:

- With wooden and metal surfaces
- For execution of layers with thickness higher than 10 mm.

- With old ceramic tiles and insufficiently supported surfaces
- At temperatures lower than +5°C and higher than +30°C.
- With surfaces containing impurities and water.

Applied material should be protected from direct water impact for 48 hours. The product is not UV stable and it should not be used as a finishing layer.

Environment

Unused product and empty packaging may not be disposed outside of waste management locations.

Disposal method

Disposal of content and packaging in line with local regulations. Dispose the packaging and unused material separately. Do not allow penetration into the sewerage system. Do not dispose together with municipal waste.

Country of origin and product manufacturer

Country of origin: Republic of Serbia.

Manufacturer: Saint-Gobain građevinski proizvodi d.o.o. Beograd, 115d Bulevar Mihajla Pupina Street, 5th floor, 11070 Novi Beograd, Republic of Serbia. Contact telephone: 011/3149681.



Technical information stated herein as well as recommendations are based on our knowledge and experience in cases when the product is properly stored, used, transported and when handled in regular conditions. The buyer, or the user of the product is advised to test the product, if it is suitable for use for intended purpose. Considering the fact, we do not have influence on the circumstances of product use and handling, we shall not be liable for consequences occurring from irregular use. The buyer, or the user of the product shall be liable in case the product is kept, transported, installed and used contrary to instructions, purpose and properties and information on product safety, as well as after stated expiration date for product use. Our team of experienced experts provides advice in phases of planning and application of our products. Visit to the construction site and demonstration of application of our products may be organized at request. Contact our technical team and find out more on our products on the website www.saint-gobain.rs.